



## PATENT ABSTRACTS OF JAPAN

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(71) Applicant: ROLAND CORP

(72) Inventor: SHIMIZU TAKAMITSU

## (54) EFFECT DEVICE

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To complicate the change of localization of musical sound and make performance rich in taste, by complicatedly changing localization of musical sound by an auto-panning to the right and left.

**SOLUTION:** A left musical sound signal outputted from a musical sound generating circuit 12 and a right musical sound generation signal are branched into a dry side and an effect side, and the left musical sound signal and right musical sound generation signal branched to the effect side are added by a 1t adder 14. And, a 1t added musical sound signal branched to a filter side is inputted to a filter circuit 16 in which a filter type and a cut-off are set by a filter control circuit 44, and only signals in a predetermined frequency

band are passed there-through according to the filter type and cut-off and fetched, and outputted to a level-rate 2 transforming circuit 18. And, according to a rate 2 set by a rate 2 control circuit 46, a transformed value is obtained by operating transformation according to the filtered musical sound level, and is outputted to an LFO(Low Frequency Oscillator) generating circuit 20.

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